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October 8, 2004

Date


Shelley P.M. Fussey

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Brewer, Merajver and Coucouvanis

Serial No.: 10/625,839

Filed: July 23, 2003

For: Tetrapropylammonium Tetrathiomolybdate
and Related Compounds for Anti-
Angiogenic Therapies

Group Art Unit: 1614

Examiner: Unknown

Atty. Dkt. No.: 4100.003200

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record in the present case. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner. As the filing date of the present application is after June 30, 2003, copies of U.S. patents are no longer required by 37 C.F.R. § 1.98(a)(2) and copies of the listed U.S. patents are not included herewith.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits and hence is timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are due in connection with the filing of this Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Assistant Commissioner is hereby authorized to deduct said fees from Williams, Morgan & Amerson, P.C., Deposit Account No. 50-0786/4100.003200.

Respectfully submitted,
Williams, Morgan & Amerson, P.C.
Customer No. 23720



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Form PTO-1449 (modified)

Bureau of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

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Serial No.

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Applicants

George J. Brewer, Sofia D. Merajver and Dimitri
Coucovanis

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U.S. Patent Documents

See Page 1 and 2

Foreign Patent Documents

See Page 2

Other Art

See Pages 2 - 14

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
✓	A1	4,762,705	08/09/88	Rubin	424	85	
	A2	5,057,302	10/15/91	Johnson <i>et al.</i>	424	1.1	
	A3	5,100,885	03/31/92	Abrams <i>et al.</i>	514	184	
	A4	5,169,858	12/08/92	Rubin	514	365	
	A5	5,385,933	01/31/95	Rabinovitz <i>et al.</i>	514	499	
	A6	5,563,132	10/08/96	Bodaness	514	185	
	A7	5,697,902	12/16/97	Goldenberg	604	49	
	A8	5,565,491	10/15/96	Schieven	514	492	
	A9	5,512,559	04/30/96	Skalkos <i>et al.</i>	514	185	
	A10	5,443,816	08/22/95	Zamora <i>et al.</i>	424	1.69	
	A11	5,391,547	02/21/95	Cole <i>et al.</i>	514	184	
	A12	4,952,607	08/28/90	Sorenson <i>et al.</i>	514	589	
	A13	4,766,226	08/23/88	Hill <i>et al.</i>	556	18	
	A14	4,678,667	07/07/87	Meares <i>et al.</i>	424	85	
	A15	RE 35,458	02/18/97	Azuara	556	116	
	A16	5,112,598	05/12/92	Biesalski	424	46	
	A17	5,527,533	06/18/96	Tso <i>et al.</i>	424	422	
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	A19	5,583,153	12/10/96	Brahn	514	449	
✓	A20	5,970,974	10/26/99	van der Linden <i>et al.</i>	128	200.16	

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1614U.S. Patent Documents
See Page 1 and 2Foreign Patent Documents
See Page 2Other Art
See Pages 2 - 14

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/ZF/	A21	5,954,047	09/21/99	Arner <i>et al.</i>	128	200.23	
	A22	5,950,619	09/14/99	van der Linden <i>et al.</i>	128	200.16	
	A23	5,698,155	12/16/97	Grosswald <i>et al.</i>	264	402	
	A24	5,639,725	06/17/97	O'Reilly <i>et al.</i>	514	12	
	A25	4,765,539	08/23/88	Noakes <i>et al.</i>	239	3	
	A26	3,916,899	11/04/75	Theeuwes <i>et al.</i>	128	260	
	A27	3,845,770	11/05/74	Theeuwes <i>et al.</i>	128	260	
	A28	4,604,278	08/05/86	Reilly <i>et al.</i>	423	517	
	A29	4,343,746	08/10/82	Anglin <i>et al.</i>	556	57	
	A30	2,909,541	10/20/59	Hugel	260	429	
	A31	6,703,050	03/09/04	Brewer <i>et al.</i>	424	641	

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
/ZF/	B1	EP 1 107 795 B1	Nov. 27, 2002	EP			
	B2	EP 1 234 585 A2	Aug. 28, 2002	EP			
	B3	WO 00/13712	Mar. 16, 2000	PCT			
	B4	WO 2004/009072	Jan. 29, 2004	PCT			

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	C32	Coucouvanis <i>et al.</i> , "An Inorganic Functional Group Approach to the Systematic Synthesis and Reactivity Studies of Binuclear Mo/S and Mo/S/O Complexes," <i>Polyhedron</i> , 8(13/14):1705-1716, 1989.
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	C44	Folkman and Klagsbrun, "Angiogenic Factors," <i>Science</i> , 23:442-447, 1987.
	C45	Folkman, "Angiogenesis in Cancer, Vascular, Rheumatoid and Other Disease," <i>Nature Med.</i> , 1:27-31, 1995.
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	C51	Gullino, "Considerations on the Mechanism of the Angiogenic Response," <i>Anticancer Res.</i> , 6(2):153-158, 1986.
	C52	Hadjikyriacou and Coucouvanis, "New Members of the $[Mo_2(S)_4(S_2)_{n-4}]^{2-}$ Series. Synthesis, Structural Characterization, and Properties of the $[Mo_2S_9]^{2-}$, $[Mo_2S_7]^{2-}$ and $[Mo_2S_6]^{2-}$ Thioanions," <i>Inorg. Chem.</i> , 26:2400-2408, 1987.
	C53	Hill <i>et al.</i> , "Treatment of Wilson's Disease with Zinc II. Validation of Oral ^{64}Cu Uptake with Copper Balance," <i>Am. J. Med. Sci.</i> , 12:344, 1986.
✓	C54	Hill <i>et al.</i> , "Treatment of Wilson's Disease with Zinc, I: Oral Zinc Therapy Regimens," <i>Hepatology</i> , 7:522-528, 1987.

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	C57	Lee <i>et al.</i> , "The Treatment of Wilson's Disease with Zinc VII. Protection of the Liver for Copper Toxicity by Zinc Induced Metallothionein in a Rat Model," <i>J. Lab. Clin. Med.</i> , 114:639-645, 1989.
	C58	Marshall <i>et al.</i> , "Phase I Trial of Orally Administered Pentosan Polysulfate in Patients with Advanced Cancer," <i>Clin. Cancer Res.</i> , 3:2347-2354, 1997.
	C59	Merajver <i>et al.</i> , "Copper Depletion as an Anti-Angiogenic Strategy in HER2-neu Transgenic Mice," Proceedings of Special AACR Conference on Angiogenesis and Cancer, Abstract #B-11, January 22-24, 1998.
	C60	Merajver, "Phase I Study of Tetrathiomolybdate in Metastatic Cancer," NIH Grant No. SR03CA77122-02. 1998.
	C61	Mills <i>et al.</i> , "Effects of Molybdate, Sulfide, and Tetrathiomolybdate on Copper Metabolism in Rats," <i>J. Inorg. Biochem.</i> , 14:189, 1981.
	C62	Mills <i>et al.</i> , "Copper and Molybdenum Absorption by Rats Given Ammonium Tetrathiomolybdate," <i>J. Inorg. Biochem.</i> , 14: 163, 1981.
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